Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RC-379

Effective Date: September 1, 2015
Re-evaluation Date: May 2017

Product Name: Texflex APP and Texflex SBS Modified Membrane Roof Coverings

Manufacturer: Sika Mexicana S.A. de C.V.
Carr. Libre a Celaya Km. 8.5 Fracc
Industrial Balvanera,
C.P. 76920, Corregidora, Qro.
(833) 260 25 10

General Description:

Texflex SBS GT 4.2: SBS modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

Texflex SBS G 4.2 Cool: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

Texflex SBS GT 180: SBS modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

Texflex SBS G 180 Cool: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Polyethylene film free in the bottom layer. Coated on the top and bottom with sand.

Texflex SBS ST 170: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

Texflex SBS S 170 Cool: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

Texflex SBS ST 160: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

Texflex SBS S 160 Cool: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

Texflex APP GT 4.2: APP modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

Texflex APP Gt 180: APP modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

Texflex APP ST 170: APP modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

Texflex APP St 160: APP modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

Limitations:

Roof slope: The roof deck must be provided with positive drainage. A minimum roof slope after construction of 1/4:12 is recommended.

Installation:

General Installation Requirements: Manufacturer's installation instructions must be followed, unless otherwise specified by this product evaluation. All edge, corner, and penetration flashing must be installed according to the manufacturer's installation instructions. All fasteners must be corrosion resistance as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.

Assembly No. 1 – Concrete Deck

Design Wind Pressure: -495 psf

Roof Deck:	The roof deck must consist of new structural concrete.
Primer:	Concrete primer must comply with ASTM D41.
Base Ply:	Texflex SBS S 170 Cool or Texflex SBS 160 Cool, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.
Optional Ply:	Texflex SBS S 170 Cool or Texflex SBS 160 Cool, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.
Cap Ply:	Texflex SBS G 4.2 Cool Blank Smooth, Texflex SBS G 4.2 Cool White Smooth, Texflex SBS G 180 Cool Blank Smooth or Texflex SBS G 180 Cool White Smooth, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

Assembly No. 2 – Concrete Deck
Design Wind Pressure: -495 psf

Roof Deck:	The roof deck must consist of new structural concrete.
Primer:	Concrete primer must comply with ASTM D41.
Base Ply:	Texflex SBS ST 170 or Texflex SBS ST 160, torch adhered
Optional Ply:	Texflex SBS ST 170 or Texflex SBS ST 160, torch adhered
Cap Ply:	Texflex SBS GT 4.2 Black Film, Texflex SBS GT 4.2 White Film, Texflex SBS GT 180 Black Film or Texflex SBS GT 180 White Film, torch adhered

Assembly No. 3 – Concrete Deck
Design Wind Pressure: -495 psf

Roof Deck:	The roof deck must consist of new structural concrete.
Primer:	Concrete primer must comply with ASTM D41.
Base Ply:	Texflex APP ST 170 or Texflex APP ST 160, torch adhered
Optional Ply:	Texflex APP ST 170 or Texflex APP ST 160, torch adhered
Cap Ply:	Texflex APP GT 4.2 Black Film, Texflex APP GT 4.2 White Film, Texflex APP GT 180 Black Film or Texflex APP GT 180 White Film, torch adhered

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.